Type	L #	Hits	Search Text	DBs	Time Stamp	Comments Definition	Error Errors
1 BRS	L1	14058	staphylococcus adj aureus	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/1 7 19:23		0
2 BRS	L3	66	hop adj acid	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/1 7 19:27		0
3 BRS	L4	25	(hexahydro adj beta adj acid) or (hexahydro adj beta adj salt) or (tetrahydroiso adj alpha adj acid) or (tetrahydroiso adj alpha adj salt)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/1 7 19:30		0
4 BRS	L5	1	(3 or 4) same 1	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/1 7 19:35		0
5 BRS	L6	61727	suppository or (disposable adj diaper) or (sanitary adj napkin)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/1 7 19:36		0
6 BRS	L7	32538 26	tampon or (wound adj dressing) or fiber or film or foam or wood or pulp or (peat adj moss) or (aborbent adj material) or (superabsorbent adj polymer)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/1 7 19:40		0
7 BRS	L8	0	6 same 7 same (3 or 4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/1 7 19:41		0
8 BRS	L9	8	7 same (3 or 4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/1 7 19:42		0
9 BRS	L10	0	9 same 1	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/1 7 19:42		0
10 BRS	L11	7021	lactobacillus	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/1 7 19:43		0

Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
BRS	L12	1	1 same 11 same (3 or 4) 1 same 11	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/1 7 19:43			0
11								

=> d his

    (FILE 'HOME' ENTERED AT 19:46:16 ON 17 JUN 2002)

    FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA'
ENTERED AT
    19:46:47 ON 17 JUN 2002
L1   201167 S STAPHYLOCOCCUS AUREUS
L2   194 S HOP ACID
L3   33 S (HEXAHYDRO BETA ACID) OR (HEXAHYDRO BETA SALT) OR
(TETRAHYDRO
L4   1 S L1 (P) (L2 OR L3)
L5   29633 S TAMPON OR (WOUND DRESSING) OR SUPPOSITORY OR
(DISPOSABLE DIAP
L6   2958119 S FIBER OR FILM OR FOAM OR WOOD OR PULP OR (PEAT
MOSS) OR (ABSO
L7   0 S L5 (P) L6 (P) (L3 OR L4)
L8   1 S L6 (P) (L3 OR L4)
L9   0 S L8 NOT L4
L10   65816 S LACTOBACILLUS
L11   1 S L1 (P) L10 (P) (L3 OR L4)
L12   0 S L11 NOT L4
L13   1 S L10 (P) (L3 OR L4)
L14   0 S L5 (P) L6 (P) (L2 OR L3)
L15   20 S L6 (P) (L2 OR L3)
L16   14 DUPLICATE REMOVE L15 (6 DUPLICATES REMOVED)
L17   1 S L16 (P) L1
L18   0 S L17 NOT L4
L19   1 S L1 (P) L10 (P) (L2 OR L3)
L20   0 S L19 NOT L4
L21   1 S L10 (P) (L2 OR L3)
L22   0 S L21 NOT L4

=> log y

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FILE 'HOME' ENTERED AT 19:46:16 ON 17 JUN 2002
=> file medline caplus biosis embase scisearch agricola
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                              ENTRY           SESSION
FULL ESTIMATED COST                           0.21            0.21


FILE 'MEDLINE' ENTERED AT 19:46:47 ON 17 JUN 2002

FILE 'CAPLUS' ENTERED AT 19:46:47 ON 17 JUN 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'BIOSIS' ENTERED AT 19:46:47 ON 17 JUN 2002
COPYRIGHT (C) 2002 BIOLOGICAL ABSTRACTS INC.(R)

FILE 'EMBASE' ENTERED AT 19:46:47 ON 17 JUN 2002
COPYRIGHT (C) 2002 Elsevier Science B.V.  All rights reserved.

FILE 'SCISEARCH' ENTERED AT 19:46:47 ON 17 JUN 2002
COPYRIGHT (C) 2002 Institute for Scientific Information (ISI) (R)

FILE 'AGRICOLA' ENTERED AT 19:46:47 ON 17 JUN 2002

=> s staphylococcus aureus
L1       201167 STAPHYLOCOCCUS AUREUS


=> s hop acid
L2          194 HOP ACID

=> s (hexahydro beta acid) or (hexahydro beta salt) or (tetrahydroiso alpha acid) or (tetrahydrois
   4 FILES SEARCHED...
L3           33 (HEXAHYDRO BETA ACID) OR (HEXAHYDRO BETA SALT) OR (TETRAHYDROISO
                ALPHA ACID) OR (TETRAHYDROISO ALPHA SALT)

=> s l1 (p) (l2 or l3)
L4            1 L1 (P) (L2 OR L3)


=> d l4 1 ibib abs

L4   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2002 ACS
ACCESSION NUMBER:        2001:283780  CAPLUS
DOCUMENT NUMBER:        134:300854
TITLE:                  ***Hop***    ***acids***    used for inhibition of
                        ***Staphylococcus***    ***aureus***
INVENTOR(S):            Barney, Michael C.; Navarro, Alfonso L.; Ryder, David
                        S.
PATENT ASSIGNEE(S):     Miller Brewing Company, USA
SOURCE:                 PCT Int. Appl., 14 pp.
                        CODEN: PIXXD2
DOCUMENT TYPE:          Patent
LANGUAGE:               English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:


    PATENT NO.        KIND  DATE         APPLICATION NO.  DATE
    ---------------   ----  --------     ---------------- --------
    WO 2001026647     A1    20010419     WO 2000-US27927  20001010
        W:  AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,
            CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,
            IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD,
            MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK,
            SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG,
            KZ, MD, RU, TJ, TM
        RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
            DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
            CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
PRIORITY APPLN. INFO.:                   US 1999-158810P  P  19991012
                                         US 2000-664519   A  20000918
AB   The present invention provides methods, products, and compns. for
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selectively inhibiting the growth of S. aureus without preventing the
growth of Lactobacillus species. Specifically, the present invention
discloses the use of tetrahydroiso-.alpha.-acids or hexahydro-.beta.-acids
at a concn. effective for the inhibition of the growth of S. aureus
without preventing the growth of Lactobacillus. The inhibition of S.
aureus thus provides useful methods, compns. and products such as feminine
hygiene products for treating the diseases assocd. with S. aureus
infections and infestations, i.e., toxic shock syndrome, without
disrupting the normal bacterial flora in the area of its application. The
results of MIC assay of tetrahydroiso-.alpha.-acids and
hexahydro-.beta.-acids on S. aureus and Lactobacillus show that S. aureus
was much more sensitive to tetrahydroiso-.alpha.-acids and
hexahydro-.beta.-acids than the Lactobacillus species tested.
Lactobacillus exhibited strong growth in concns. of tetrahydroiso-.alpha.-
acids and hexahydro-.beta.-acids as high as 12.5 ppm.
REFERENCE COUNT: 3   THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
                                   RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s tampon or (wound dressing) or (suppository or (disposable diaper) or (sanitary napkin)
UNMATCHED LEFT PARENTHESIS 'OR (SUPPOSITOR'
The number of right parentheses in a query must be equal to the
number of left parentheses.

=> s tampon or (wound dressing) or suppository or (disposable diaper) or (sanitary napkin)
L5   29633 TAMPON OR (WOUND DRESSING) OR SUPPOSITORY OR (DISPOSABLE DIAPER)
                OR (SANITARY NAPKIN)

=> s (fiber or film or foam or wood or pulp or (peat moss) or (absorbent material) or (superabsorb
UNMATCHED LEFT PARENTHESIS '(FIBER'
The number of right parentheses in a query must be equal to the
number of left parentheses.

=> s fiber or film or foam or wood or pulp or (peat moss) or (absorbent material) or (superabsorbe
L6   2958119 FIBER OR FILM OR FOAM OR WOOD OR PULP OR (PEAT MOSS) OR (ABSORBE
                NT MATERIAL) OR (SUPERABSORBENT POLYMER)

=> d his

      (FILE 'HOME' ENTERED AT 19:46:16 ON 17 JUN 2002)

      FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT
      19:46:47 ON 17 JUN 2002
L1   201167 S STAPHYLOCOCCUS AUREUS
L2   194 S HOP ACID
L3   33 S (HEXAHYDRO BETA ACID) OR (HEXAHYDRO BETA SALT) OR (TETRAHYDRO
L4   1 S L1 (P) (L2 OR L3)
L5   29633 S TAMPON OR (WOUND DRESSING) OR SUPPOSITORY OR (DISPOSABLE DIAP
L6   2958119 S FIBER OR FILM OR FOAM OR WOOD OR PULP OR (PEAT MOSS) OR (ABSO

=> s l5 (p) l6 (p) (l3 or l4)
L7   0 L5 (P) L6 (P) (L3 OR L4)

=> s l6 (p) (l3 or l4)
L8   1 L6 (P) (L3 OR L4)

=> s l8 not l4
L9   0 L8 NOT L4

=> s lactobacillus
L10   65816 LACTOBACILLUS

=> s l1 (p) l10 (p) (l3 or l4)
L11   1 L1 (P) L10 (P) (L3 OR L4)

=> s l11 not l4
L12   0 L11 NOT L4

=> s l10 (p) (l3 or l4)
L13   1 L10 (P) (L3 OR L4)

=> d his

```
        FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT
        19:46:47 ON 17 JUN 2002
L1        201167 S STAPHYLOCOCCUS AUREUS
L2           194 S HOP ACID
L3            33 S (HEXAHYDRO BETA ACID) OR (HEXAHYDRO BETA SALT) OR (TETRAHYDRO
L4             1 S L1 (P) (L2 OR L3)
L5         29633 S TAMPON OR (WOUND DRESSING) OR SUPPOSITORY OR (DISPOSABLE DIAP
L6       2958119 S FIBER OR FILM OR FOAM OR WOOD OR PULP OR (PEAT MOSS) OR (ABSO
L7             0 S L5 (P) L6 (P) (L3 OR L4)
L8             1 S L6 (P) (L3 OR L4)
L9             0 S L8 NOT L4
L10        65816 S LACTOBACILLUS
L11            1 S L1 (P) L10 (P) (L3 OR L4)
L12            0 S L11 NOT L4
L13            1 S L10 (P) (L3 OR L4)

=> s l5 (p) l6 (p) (l2 or l3)
L14            0 L5 (P) L6 (P) (L2 OR L3)

=> s l6 (p) (l2 or l3)
L15           20 L6 (P) (L2 OR L3)

=> duplicate remove l15
DUPLICATE PREFERENCE IS 'CAPLUS, BIOSIS, SCISEARCH'
KEEP DUPLICATES FROM MORE THAN ONE FILE?   Y/(N):n
PROCESSING COMPLETED FOR L15
L16           14 DUPLICATE REMOVE L15 (6 DUPLICATES REMOVED)

=> s l16 (p) l1
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L107 (P) L1'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L113 (P) L4'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L117 (P) L6'
L17            1 L16 (P) L1

=> s l17 not l4
L18            0 L17 NOT L4

=> d his
```

```
=> s l1 (p) l10 (p) (l2 or l3)
L19            1 L1 (P) L10 (P) (L2 OR L3)

=> s l19 not l4
```

```
L20            0 L19 NOT L4

=> s l10 (p) (12 or 13)
L21            1 L10 (P) (L2 OR L3)

=> s l21 not 14
L22            0 L21 NOT L4

=> d his

       (FILE 'HOME' ENTERED AT 19:46:16 ON 17 JUN 2002)

       FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT
       19:46:47 ON 17 JUN 2002
L1       201167 S STAPHYLOCOCCUS AUREUS
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L4            1 S L1 (P) (L2 OR L3)
L5        29633 S TAMPON OR (WOUND DRESSING) OR SUPPOSITORY OR (DISPOSABLE DIAP
L6      2958119 S FIBER OR FILM OR FOAM OR WOOD OR PULP OR (PEAT MOSS) OR (ABSO
L7            0 S L5 (P) L6 (P) (L3 OR L4)
L8            1 S L6 (P) (L3 OR L4)
L9            0 S L8 NOT L4
L10       65816 S LACTOBACILLUS
L11           1 S L1 (P) L10 (P) (L3 OR L4)
L12           0 S L11 NOT L4
L13           1 S L10 (P) (L3 OR L4)
L14           0 S L5 (P) L6 (P) (L2 OR L3)
L15          20 S L6 (P) (L2 OR L3)
L16          14 DUPLICATE REMOVE L15 (6 DUPLICATES REMOVED)
L17           1 S L16 (P) L1
L18           0 S L17 NOT L4
L19           1 S L1 (P) L10 (P) (L2 OR L3)
L20           0 S L19 NOT L4
L21           1 S L10 (P) (L2 OR L3)
L22           0 S L21 NOT L4

=> log y
COST IN U.S. DOLLARS                           SINCE FILE      TOTAL
                                                  ENTRY       SESSION
FULL ESTIMATED COST                              77.21         77.42

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)     SINCE FILE      TOTAL
                                                  ENTRY       SESSION
CA SUBSCRIBER PRICE                              -0.62         -0.62

STN INTERNATIONAL LOGOFF AT 19:59:51 ON 17 JUN 2002
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